



NEW JERSEY
WEEKLY CROP WEATHER

New Jersey
Agricultural Statistics Service

In Cooperation With:
U.S. Department of Agriculture
National Agricultural Statistics Service
Agricultural Marketing Service
U.S. Department of Commerce/N.O.A.A.
Rutgers University

NOAA WEATHER RADIO STATIONS

Allentown
WXL-39 on the VHF-FM
frequency of 162.40 Megahertz.
Atlantic City
KHB-38 on the VHF-FM
frequency of 162.40 Megahertz.
New York City
KWO-35 on the VHF-FM
frequency of 160.55 Megahertz.
Philadelphia
KIH-28 on the VHF-FM
frequency of 162.475 Megahertz.

NEW JERSEY AUCTIONS

Vineland
Phone: (856)691-0721
Sales 10:00AM Daily except Sunday.
Landisville
Phone: (856)697-2273
Direct Sales Daily
Swedesboro
Phone: (856)476-0313
Hightstown
Phone: (609)448-0193
Direct Sales Daily

RUTGERS WEEKLY FORECAST

Agricultural Weather Advisory for New Jersey and Southeastern Pennsylvania
Issued by Rutgers University New Brunswick NJ
7 am EDT Monday, July 22, 2002

Rainfall amounts, scattered tenth to a quarter of an inch with locally higher amounts possible in thunderstorms today, none tonight, scattered tenth to a quarter of an inch with locally higher amounts possible in thunderstorms Tuesday.

Winds for spraying, south 5 to 10 mph today, southwest 5 to 10 mph tonight, southwest 10 to 15 mph Tuesday. Relative humidity in percent, 50 to 60 today, 90 to near 100 tonight, 50 to 60 Tuesday.

Dew points, near 70 to low 70s through Tuesday.

Drying conditions, fair today, fair Tuesday.

Frost freeze or dew, light dew tonight, light dew Tuesday night.

Percent of possible sunshine, 70 today, 60 Tuesday.

There is a 30 percent probability of precipitation during the 12 hour period beginning at 8 am and ending at 8 pm that could adversely affect the performance of pesticides that require a rainfree period after application.

Hay cutting should see fair drying conditions over the next couple days with scattered showers and thunderstorms possible.

Estimated soil moisture in percent of field capacity is generally in the 40s and 50s in the south and 50s and 60s in the north. Some locations in the south have dropped below 50 percent and therefore some irrigation is necessary with only scattered relief from thunderstorms.

Growing degree day totals base 50 since March 1, 2002 now range from over 1300 in the north to over 1800 in the south. Totals are well ahead of normal.

Conditions do not appear favorable for the occurrence of cranberry scald today and Tuesday.

The latest 6 to 10 day outlook for the period July 27, 2002 to July 31, 2002 is calling for temperatures to average near normal and precipitation to total above normal.

Climate summary for the week ending 8am 7/22/02
Temperatures averaged above normal. Extremes were 98 degrees at Belvidere Bridge on July 18, 2002 and 52 degrees at Charlotteburg on the July 17, 2002.

Weekly rainfall averaged 0.84 inches north, 1.30 inches central, and 0.21 inches south. The heaviest 24 hour total reported was 3.24 inches at Toms River on the July 19, 2002 to July 20, 2002.

Estimated soil moisture, in percent of field capacity, this past week averaged 64 percent north, 58 percent central, and 45 percent south.

Four inch soil temperatures averaged 73 degrees north, 76 degrees central, and 76 degrees south.

WEATHER SUMMARY FOR THE WEEK ENDING 8 AM MONDAY 7/22/02

Weather Stations	Rainfall			Temperatures				Growing Degree Days 1/		Soil Moisture 2/
	Last Week	Since March 1		Last Week				Total	Dept.*	
		Total	Dept.*	Max.	Min.	Avg.	Dept.*			
- Inches -										

*Departure from normal.
1/ Growing degree days since March 1, total and departure from normal or long term average.
2/ Estimated soil moisture as % of field capacity based on climate data.

AGRICULTURE

Temperatures averaged above normal last week as hot and humid weather returned to the area. Clear skies allowed producers to make good progress harvesting summer vegetables, blueberries, and hay. Outdoor activities included combining wheat, irrigating fields and spraying. Days suitable for field work averaged 6.5. Top soil moisture was rated 20% very short, 50% short, and 30% adequate. Corn silked 22%. Corn condition was rated 48% fair and 52% good. Producers reported increased insect pressure in some fields due to recent weather conditions. Soybeans blooming 20%. Soybean condition was rated 15% fair and 85% good. Dry weather provided excellent drying conditions for hay. Producers should finish their second cutting over the next few weeks. Declining pasture conditions caused some livestock producers to increase supplemental feed to herds. Some producers also reported a decline in milk production due to the hot weather. Vegetable producers made good progress harvesting sweet corn, tomatoes, and cantaloupe. Fields under irrigation were reported in mostly good condition. Producers reported minor insect and disease problems in some fields due to recent weather conditions. Peach harvest was underway in some areas, with crop condition rated as mostly good. Some producers reported larger yields than expected. Apples were rated in mostly good condition. Blueberry harvest continued on schedule, with crop condition rated as mostly good.

SOIL MOISTURE TABLE

	THIS WEEK	LAST WEEK	PREVIOUS YEAR
VERY SHORT	20%	0%	1%
SHORT	50%	54%	21%
ADEQUATE	30%	46%	77%
SURPLUS	0%	0%	0%

RANGE AND PASTURE

	CURRENT	PREVIOUS WEEK	PREVIOUS YEAR
VERY POOR	0%	0%	2%
POOR	22%	13%	7%
FAIR	51%	31%	17%
GOOD	27%	56%	74%
EXCELLENT	0%	0%	0%

**Provided by the New Jersey State Department of Agriculture.*